




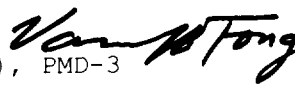
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION IX  
75 Hawthorne Street  
San Francisco, CA 94105-3901

MEMORANDUM

DATE: July 15, 1999

SUBJECT: Review of Analytical Data

FROM: Carl Brickner, Jr., Environmental Scientist  
Quality Assurance Program (QAP), PMD-3 

THROUGH: Vance S. Fong, P.E., Manager  
Quality Assurance Program (QAP), PMD-3 

TO: Craig Cooper, Remedial Project Manager  
Hawaii/Nevada/California Cleanup Section, SFD-7-4

Attached are comments resulting from review of the following analytical data:

SITE: Newmark Source OU  
EPA SSI NO.: J5  
CERCLIS ID NO.: CAD981434517  
CASE/SAS NO.: R99S30  
SDG NOS.: 50017  
LABORATORY: EPA Region 9 Lab, Richmond  
ANALYSIS: Perchlorate

SAMPLE NO.: Eighteen Water Samples

COLLECTION DATES: April 27, 28, and 29, 1999

REVIEWER: Carl Brickner, Jr.  
Environmental Scientist  
EPA/QAP

If there are any questions, please contact me at (415) 744-1536.

Attachments

cc: Brenda Bettencourt, Laboratory Section, PMD-2

## Data Validation Report

Site: Newmark Source OU  
Case No.: R99S30  
Laboratory: EPA Region 9 Lab, Richmond  
Reviewer: Carl Brickner, Jr., QAP  
Date: July 15, 1999

### I. Case Summary

#### SAMPLE INFORMATION:

Sample Numbers: 50017, 50016, 50015, 50014, 50013, 50012,  
50036, 50035, 50019, 50018, 50020, 50021,  
50037, 50065, 50055, 50054, 50049, and 50095

Matrix: Water  
Analysis: Perchlorate  
Collection Dates: April 27, 28, and 29, 1999  
Sample Receipt Dates: April 28 and 30, 1999  
Analysis Dates: May 3 and 7, 1999

Field Blanks (FB): 50016  
Equipment Blanks (EB): None  
Background Sample (BG): None  
Field Duplicates (Dl): 50015 and 50014

#### ANALYSIS DATES:

<u>Analysis</u>	<u>Analysis Date</u>
Perchlorate	May 3 and 7, 1999

#### ATTACHMENTS:

Table 1A: Analytical Results with Qualifications.  
Table 1B: Data Qualifiers.

#### TPO ACTION:

SAMPLING ISSUES: None.  
OTHER: None.

#### TPO ATTENTION:

SAMPLING ISSUES: None.  
OTHER: None.

#### ADDITIONAL COMMENTS:

The analytical results with qualifications are listed in Table 1A. This report was prepared in accordance with EPA document "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review", February 1994, and referenced State of California Department of Health Services document "The Determination of Perchlorate in Water by Ion Chromatography, Rev. No.0", 1997.

## II. Validation Summary

	<u>Acceptable</u>	<u>Comment</u>
Calibration	[Yes]	[ ]
a. Quality Control Sample		
b. Instrument Performance Check Solution		
c. Calibration Blank		
d. Quantitation Limit Standard		
Sample Quantitation	[Yes]	[ ]
Laboratory Reagent Blank	[Yes]	[ ]
Laboratory Fortified Blank	[Yes]	[ ]
Laboratory Fortified Sample Matrix	[Yes]	[ ]
Laboratory Duplicate Sample	[Yes]	[ ]
Sample Preservation and Holding Times	[Yes]	[ ]
Field QC Samples	[Yes]	[ ]
a. Field Duplicate Sample		
b. Field/Equipment Blank		

N/A - Not Applicable

## III. Validity and Comments

There were no major data quality issues associated with this SDG.

**ANALYTICAL RESULTS  
TABLE 1A**

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Case No.: R99S30 (SDG: 50017)  
Site: Newmark Source OU  
Lab.: Region 9, Richmond  
Reviewer: Carl Brickner, Jr., EPA/QAP  
Date: July 15, 1999

**VALIDATED DATA**

Analysis Type: **Perchlorate**

Concentration in ug/L

Station Location	MW04B			MW04A			MW04A			MW04A			MW03B			MW03A			MW-127B		
Client Sample I.D.	50017			50016	FB		50015	D1		50014	D1		50013			50012			50036		
Lab Sample I.D.	AB22153			AB22154			AB22155			AB22156			AB22157			AB22158			AB22159		
Date of Collection	04/27/99			04/27/99			04/27/99			04/27/99			04/27/99			04/27/99			04/27/99		
Analyte	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Perchlorate	5.0 U			5.0 U			5.0 U			5.0 U			5.0 U			5.0 U			5.0 U		

Station Location	MW-127A			MW05B			MW05A			MW06A			MW06B			MW-128A			MWCOE03		
Client Sample I.D.	50035			50019			50018			50020			50021			50037			50065		
Lab Sample I.D.	AB22160			AB22171			AB22172			AB22173			AB22174			AB22175			AB22176		
Date of Collection	04/27/99			04/27/99			04/27/99			04/28/99			04/28/99			04/28/99			04/28/99		
Analyte	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Perchlorate	5.0 U			5.0 U			5.0 U			5.0 U			5.0 U			5.0 U			5.0 U		

Station Location	MWCOE02			MUNI-11C			MUNI-7C			MUNI-116			N/A			N/A			N/A		
Client Sample I.D.	50055			50054			50049			50095			LRB			LRB			QL		
Lab Sample I.D.	AB22177			AB22178			AB22179			AB22180			AB22162			AB22162			N/A		
Date of Collection	04/28/99			04/28/99			04/29/99			04/29/99			N/A			N/A			N/A		
Analyte	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Perchlorate	5.0 U			5.0 U			5.0 U			5.0 U			5.0 U			5.0 U			5.0		

Val-Validity Refer to Data Qualifiers in Table 1B.

Com-Comments Refer to the Corresponding Section in the Narrative for each letter.

QL-Quantitation Limit.

D1, D2, etc.-Field Duplicate Pairs.

FB-Field Blank, EB-Equipment Blank, TB-Trip Blank, BG-Background Sample.

N/A-Not Applicable.

N/R-Not Required.

TABLE 1B  
DATA QUALIFIERS

NO QUALIFIERS indicate that the data are acceptable both qualitatively and quantitatively.

- U     The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- L     Indicates results which fall below the Contract Required Quantitation Limit. Results are estimated and are considered qualitatively acceptable but quantitatively unreliable due to uncertainties in the analytical precision near the limit of detection.
- J     The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- N     The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."
- NJ    The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
- UJ    The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R     The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.